

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Ex Party Reexamination Certificate of

BREMER et al.

Patent No. 6,402,932

Certificate Issued: October 30, 2007

For: MEDIATED ELECTROCHEMICAL OXIDATION OF BIOLOGICAL WASTE MATERIALS

REQUEST FOR CERTIFICATE OF CORRECTION

To the Director of the Patent and Trademark Office

Sir:

Kindly accept and enter the attached Certificate of Correction for the above-identified patent.

The patent was assigned from The C & M Group LLC to Scimist, Inc. on July 16, 2007, before the October 30, 2007 issue date of the Reexamination Certificate. A copy of the Notice of Recordation is attached.

Since the error originated in the Patent and Trademark Office, no fee is required.

Respectfully,

/James C. Wray/

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April 9, 2012

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 6,402,932

APPLICATION NO.: 09/628,720

ISSUE DATE : October 30, 2007

INVENTOR(S) : Bruce W. Bremer and Roger W. Carson

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item (73) Assignee, should read:

Scimist, Inc., Springfield, VA (US)

MAILING ADDRESS OF SENDER (Please do not use customer number below):

James C. Wray
1493 Chain Bridge Road, Suite 300
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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(12) EX PARTE REEXAMINATION CERTIFICATE (5981st)
United States Patent
Bremer et al.

(10) Number: **US 6,402,932 C1**
 (45) Certificate Issued: **Oct. 30, 2007**

(54) **MEDIATED ELECTROCHEMICAL OXIDATION OF BIOLOGICAL WASTE MATERIALS**

(75) Inventors: **Bruce W. Bremer, Montgomery Village, MD (US); Roger W. Carson, Vienna, VA (US)**
Scimist, Inc., Springfield, VA (US)

(73) Assignee: **The C & M Group, LLC, Vienna, VA**
(US)

Reexamination Request:
 No. 90/007,610, Jun. 30, 2005

Reexamination Certificate for:

Patent No.: **6,402,932**
 Issued: **Jun. 11, 2002**
 Appl. No.: **09/628,720**
 Filed: **Jul. 28, 2000**

Related U.S. Application Data

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(51) **Int. Cl.**
A62D 3/00 (2006.01)
C02F 1/461 (2006.01)

(52) **U.S. Cl.** **205/701; 588/304; 588/405; 588/310; 588/408; 588/320; 204/259; 204/263; 204/262; 204/252; 204/266; 205/688; 205/746; 205/703; 205/749**

(58) **Field of Classification Search** None
 See application file for complete search history.

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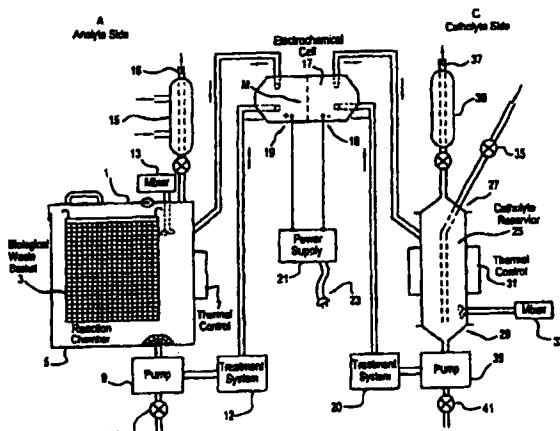
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(Continued)

Primary Examiner—Alan Diamond

(57) ABSTRACT

A mediated electrochemical oxidation process is used to treat, oxidize and dispose of biological waste materials. Waste materials are introduced into an apparatus for contacting the waste with an electrolyte, which comprises one or more oxidizing species in their higher valence states in aqueous solution. The electrolyte, which can be regenerated, is used to oxidize specific molecules of the waste materials, breaking them down and preventing the formation of dioxins. The waste treatment process takes place at a temperature range from room temperature up to a temperature slightly below the boiling point of the electrolyte solution (usually the temperature will be below 100° C.), and can be altered by adding ultraviolet radiation.



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**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 17, 2007

PTAS

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

C&M GROUP LLC, THE

DOC DATE: 06/28/2007

ASSIGNEE:

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SERIAL NUMBER: 10127604

FILING DATE: 04/23/2002

PATENT NUMBER:

ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF BIOLOGICAL WASTE MATERIALS

SERIAL NUMBER: 10263810

FILING DATE: 10/04/2002

PATENT NUMBER:

ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF ANIMAL WASTE MATERIALS

TO: JAMES C. WRAY COMPANY: 149 HAIN BRIDGE ROAD, SUITE 300

019562/0255 PAGE 2

SERIAL NUMBER: 10492017 FILING DATE: 04/08/2004
PATENT NUMBER: ISSUE DATE:
TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF FOOD WASTE MATERIALS

SERIAL NUMBER: 10493500 FILING DATE: 08/04/2004
PATENT NUMBER: ISSUE DATE:
TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF ORGANIC WASTE MATERIALS

SERIAL NUMBER: 10502323 FILING DATE: 07/23/2004
PATENT NUMBER: ISSUE DATE:
TITLE: MEDIATED ELECTROCHEMICAL OXIDATION USED FOR STERILIZATION/ DISINFECTION

SERIAL NUMBER: 10502324 FILING DATE: 07/23/2004
PATENT NUMBER: ISSUE DATE:
TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF HALOGENATED HYDROCARBON WASTE MATERIALS

SERIAL NUMBER: 10502439 FILING DATE: 07/23/2004
PATENT NUMBER: ISSUE DATE:
TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF DESTRUCTION OF SHARPS

SERIAL NUMBER: 10512484 FILING DATE: 03/04/2005
PATENT NUMBER: ISSUE DATE:
TITLE: MEDIATED ELECTROCHEMICAL OXIDATION PROCESS USED AS A HYDROGEN FUEL GENERATOR

SERIAL NUMBER: 10522768 FILING DATE: 03/04/2005
PATENT NUMBER: ISSUE DATE:
TITLE: MEDIATED ELECTROCHEMICAL OXIDATION USED FOR THE DESTRUCTION OF ORGANICS CONTAMINATED WITH RADIOACTIVE MATERIALS, DISSOULUTION OF ATRANSURANICS, AND THE DECONTAMINATION OF EQUIPMENT CONTAMINATED WITH MIXED WASTE

SERIAL NUMBER: 10527103 FILING DATE: 04/11/2005
PATENT NUMBER: ISSUE DATE:
TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF INORGANIC MATERIALS

SERIAL NUMBER: 10560576 FILING DATE: 12/30/2005
PATENT NUMBER: ISSUE DATE:
TITLE: APPARATUS AND PROCESS FOR MEDIATED ELECTROCHEMICAL OXIDATION OF MATERIALS

SERIAL NUMBER: 09628720 FILING DATE: 07/28/2000
PATENT NUMBER: 6402932 ISSUE DATE: 06/11/2002
TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF BIOLOGICAL WASTE MATERIALS

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